

## ASBESTOS AIR SAMPLING

COMPLETED FOR THE  
GENERAL SERVICES ADMINISTRATION

### **Survey Location:**

Chet Holifield Federal Building  
General Services Administration  
24000 Avila Road  
Laguna Niguel, California 92677

### **Survey Dates:**

November 15, 2017 & November 16, 2017

### **Report Date:**

December 22, 2017

### **Prepared By:**

United States Public Health Service  
Federal Occupational Health



## **A. EXECUTIVE SUMMARY**

On November 15, 2017 and November 16, 2017, the Federal Occupational Health (FOH) inspection team conducted asbestos air sampling throughout the Chet Holifield Federal Building. Air sampling was conducted to verify that airborne asbestos levels were at appropriate levels. Air samples were collected in common areas, mechanical air handler rooms, storage rooms, file rooms and in occupied office spaces throughout the building. A total of sixty-eight (68) air samples, four lab blanks and four field blanks were collected by Federal Occupational Health and submitted to AMA Analytical Services, Inc. (AMA) for asbestos fibers concentration analysis using Transmission Electron Microscopy (TEM). Samples were analyzed following the AHERA (40 CFR Part 763 Appendix A Subpart E) protocol.

There are no current EPA regulations for general area air sampling and no regulatory action levels for direct comparison of airborne asbestos levels; however, the US Environmental Protection Agency (EPA) has regulations for area air sampling within containment after an asbestos abatement has been completed. When performing general area asbestos air sampling, FOH compares results to the EPA regulations.

Laboratory analysis indicated fiber levels for all samples to be less than 15 structures per millimeter squared ( $< 15 \text{ s/mm}^2$ ) except for one sample that had a level of  $15 \text{ s/mm}^2$ . In structures per cubic centimeter (s/cc) the results ranged from  $<0.004$  to  $0.0048 \text{ s/cc}$  of air.

For TEM AHERA samples, EPA uses the clearance level of  $70 \text{ s/mm}^2$  after an asbestos removal has been completed. This is the level at which EPA considers the space appropriate to return to general occupancy. Analytical results of all air samples indicate that asbestos concentrations were below the EPA clearance level of  $70 \text{ s/mm}^2$ . The Memorandum of Agreement (MOA) between the General Services Administration (GSA) and the US Citizenship and Immigration Services (USCIS) dated February 15, 2017 states that results less than  $0.005 \text{ s/cc}$  are acceptable. All results from the sampling were less than  $0.005 \text{ s/cc}$  of air.

## **B. INTRODUCTION**

On November 15, 2017 and November 16, 2017, U.S. Public Health Service, Federal Occupational Health, inspection team members, Michael Pinkerton, Jaqueline Jones and Matthew Rodriguez conducted asbestos air sampling at the Chet Holifield Federal Building located at 24000 Avila Road, in Laguna Niguel, California, 92677. Air samples were collected in common areas, mechanical air handler rooms, storage rooms, file rooms and office spaces occupied by government agencies throughout the building within the above referenced structure. A total of sixty-eight (68) air samples, with four lab blanks and four field blanks were collected and analyzed for asbestos fibers using transmission electron microscopy (TEM) by AMA Analytical Laboratory in Lanham, Maryland.

The Chet Holifield Federal Building is a United States Government Building managed by the General Service Administration and is occupied by government agencies. The 7-story pyramidal form building was constructed between 1967 and 1971 and is approximately 1,000,000 square foot in size. It is constructed of angled, painted, pre-cast concrete panels with reticulation, a textured finish that displays curvilinear forms and recessed anodized aluminum windows. The building has a concrete frame and the lateral force-resisting system consists of concrete shear walls and single-level concrete moment frames. This office space has carpeted and tiled floors, painted-sheetrock walls, drop ceilings, and the supply air is ducted while the return air is transported via the plenum area above the ceiling.

Before the survey, an opening conference was held with GSA Senior Property Manager Sherry Hutchinson and Acting Building Manager Jennifer Kim, to discuss the procedures and the locations of the air sampling.

## **C. METHODS**

Air sampling was conducted by drawing a known volume of air through a filter using flow-controlled pumps that were each pre and post calibrated. Calibration was made by using a Bios Defender 520 Primary Flow Calibrator, with a representative sampler in line. The filter media used was 0.45-micron pore-size mixed cellulose ester filter with backup pad. Each sample was collected open-faced in a 25-millimeter non-conducting cassette. Each sample was collected at breathing zone height. The samples were collected for approximately 2 hours and a sufficient volume of air was collected to meet the required limit of quantification for TEM analysis as well as meet the optimum fiber loading on the filter. FOH collected the samples for approximately 2 hours. Air samples were collected from common areas, mechanical air handle rooms, storages, file rooms and in occupied office spaces. A total of sixty-eight (68) air samples, four lab blanks and four field blanks were collected and analyzed for asbestos fiber concentrations using AHERA TEM. All samples were analyzed by AMA Analytical Laboratory in Lanham, MD, an American Industrial Hygiene Association (AIHA) accredited laboratory.

## **D. RESULTS**

Laboratory analysis indicated fiber levels for all samples to be less than ( $<$ ) 15 s/mm<sup>2</sup> except for one sample which had a level of 15s/mm<sup>2</sup>. In structures per cubic centimeter (s/cc) the results ranged from  $<0.004$  to 0.0048 s/cc. Complete laboratory results can be found in Section F-Supporting Documents of this report.

## **E. DISCUSSION AND RECOMMENDATIONS**

There are currently no regulations for general area air sampling for asbestos and no regulatory action levels by which results may be directly compared. The US Occupational Safety and Health Administration (OSHA) has regulations for worker exposure which entails sample collection by placing the sampling device in the employee's breathing zone. However, this was not the case and therefore FOH will not compare the area sampling results to the OSHA PEL of 0.10 fibers per cubic centimeter. The US EPA has regulations for area air sampling within containment after an asbestos abatement has been completed. When performing general area asbestos air sampling, FOH compares results to the EPA regulations. There are some differences in the method of collection since FOH did not collect the samples in containment but the clearance level is the same.

For TEM samples, EPA uses the clearance level of 70 s/mm<sup>2</sup> after an asbestos removal has been completed. This is the level at which EPA considers the space appropriate to return to general occupancy. All of the samples collected by FOH have levels less than 70 s/mm<sup>2</sup>.

The MOA between GSA and USCIS states that results less than 0.005 s/cc are considered acceptable. All samples results from this sampling were less than 0.005 s/cc of air.

FOH recommends that any work that is done above the ceiling, in the plenum area, is completed after hours while utilizing a negative pressure mini-containment. This will limit the disturbance of the dust on the top of the ceiling tiles.

## **F. SUPPORTING DOCUMENTS**

The following supporting documents are attached to the report:

Laboratory Report/Chain of Custody for initial sampling (17 pages)



# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 603847  
**Client:** FOH Boston Area Office/George Bearer  
**Address:** JFK Building - Room E-110  
Government Center  
Boston, MA 02203  
**Attention:** Michael Pinkerton

**Job Name:** Chet Holifield  
**Job Location:** 24000 Avila Road, Laguna Niguel, CA  
**Job Number:** 9835006590  
**P.O. Number:** Not Provided

**Date Submitted:** 11/21/2017  
**Date Analyzed:** 11/30/2017  
**Report Date:** 11/30/2017  
**Date Sampled:** 11/15/2017 - 11/16/2017  
**Person Submitting:** Michael Pinkerton  
**Revised:** 12/20/2017 (Revision #2)

## Summary of Transmission Electron Microscopy

**Filter Type:** MCE

**Pore Size:** 0.45 um

**Filter Size:** 25 mm (385 mm<sup>2</sup>)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm <sup>2</sup> )	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm >=5µm		s/mm <sup>2</sup>	s/cc		
603847-1	111617-MP-01	1445.56	0.0665	0.004	0		0	<15	<0.004	N/P	
603847-2	111617-MP-02	1396.26	0.0	--	--		--	--	--	N/P	VOID: Torn Filter
603847-3	111617-MP-03	1405.99	0.0665	0.0041	0		0	<15	<0.0041	N/P	
603847-4	111617-MP-04	1402.77	0.0665	0.0041	0		0	<15	<0.0041	N/P	
603847-5	111617-MP-05	1362.15	0.0665	0.0043	0		0	<15	<0.0043	N/P	
603847-6	111617-MP-06	1348.38	0.0665	0.0043	0		0	<15	<0.0043	N/P	
603847-7	111617-MP-07	0.0	0.0	--	--		--	--	--	BLK	Not Analyzed
603847-8	111617-MP-08	1329.24	0.0665	0.0044	0		0	<15	<0.0044	N/P	
603847-9	111617-MP-09	1311.31	0.0665	0.0044	0		0	<15	<0.0044	N/P	
603847-10	111617-MP-10	1393.29	0.0665	0.0042	0		0	<15	<0.0042	N/P	
603847-11	111617-MP-11	1220.29	0.0665	0.0047	0		0	<15	<0.0047	N/P	
603847-12	111617-MP-12	1203.0	0.0665	0.0048	0		0	<15	<0.0048	N/P	
603847-13	111617-MP-13	1207.2	0.0665	0.0048	0		0	<15	<0.0048	N/P	
603847-14	111617-MP-14 (BLANK)	0.0	0.0	--	--		--	--	--	BLK	Not Analyzed
603847-15	4-63	1238.91	0.0665	0.0047	0		0	<15	<0.0047	N/P	
603847-16	4-61-4105	1279.53	0.0665	0.0045	0		0	<15	<0.0045	N/P	
603847-17	1-5-1210	1276.88	0.0665	0.0045	0		0	<15	<0.0045	N/P	
603847-18	3-46-3104	1272.5	0.0665	0.0045	0		0	<15	<0.0046	N/P	
603847-19	3-46-3104 (DUPLICATE)	1272.5	0.0665	0.0045	0		0	<15	<0.0046	N/P	
603847-20	3-59-3106	1260.63	0.0665	0.0046	0		0	<15	<0.0046	N/P	



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**Pore Size:** 0.45 um

**Filter Size:** 25 mm (385 mm<sup>2</sup>)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm )	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm >=5µm		s/mm	s/cc		
603847-21	B1 (BLANK)	0.0	0.0	--	--	--	--	--	--	BLK	Not Analyzed
603847-22	5-65-5020	1409.73	0.0665	0.0041	0	0	0	<15	<0.0041	N/P	
603847-23	5-64-5200	1374.96	0.0665	0.0042	0	1	1	<15	<0.0042	N/P	
603847-24	6-66-6000	1339.48	0.0665	0.0043	0	1	1	<15	<0.0043	N/P	
603847-25	6-67-6140	1311.35	0.0665	0.0044	0	0	0	<15	<0.0044	N/P	
603847-26	B2 (BLANK)	0.0	0.0	--	--	--	--	--	--	BLK	Not Analyzed
603847-27	1-23-1552	1215.0	0.0665	0.0048	0	0	0	<15	<0.0048	N/P	
603847-28	1-25-1552	1225.2	0.0665	0.0047	0	0	0	<15	<0.0047	N/P	
603847-29	3-MAT Room	1211.42	0.0665	0.0048	0	0	0	<15	<0.0048	N/P	
603847-30	1-24-CORD	1223.05	0.0665	0.0047	0	0	0	<15	<0.0047	N/P	
603847-31	1-16-1630	1220.29	0.0665	0.0047	0	0	0	<15	<0.0047	N/P	
603847-32	1-15-1630	1313.86	0.0665	0.0044	0	0	0	<15	<0.0044	N/P	
603847-33	B1 (BLANK)	0.0	0.0	--	--	--	--	--	--	BLK	Not Analyzed
603847-34	2-27-2101	1335.1	0.0665	0.0043	0	0	0	<15	<0.0043	N/P	
603847-35	2-28-2101A	1317.09	0.0665	0.0044	0	0	0	<15	<0.0044	N/P	
603847-36	2-43-2113	1301.76	0.0665	0.0044	0	0	0	<15	<0.0044	N/P	
603847-37	2-44-2117	1297.31	0.0665	0.0045	0	0	0	<15	<0.0045	N/P	
603847-38	2-29-2105	1350.62	0.0665	0.0043	0	0	0	<15	<0.0043	N/P	
603847-39	3-53-3355	1262.5	0.0665	0.0046	0	0	0	<15	<0.0046	N/P	
603847-40	B2 (BLANK)	0.0	0.0	--	--	--	--	--	--	BLK	Not Analyzed



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					Amount/Type	<5µm	>=5µm		s/mm	s/cc		
603847-41	111517-01-MP	1320.48	0.0665	0.0044	0			0	<15	<0.0044	N/P	
603847-42	111517-02-MP	1327.03	0.0665	0.0044	0			0	<15	<0.0044	N/P	
603847-43	111517-03-MP	1305.2	0.0665	0.0044	0			0	<15	<0.0044	N/P	
603847-44	111517-04-MP	1281.25	0.0665	0.0045	0			0	<15	<0.0045	N/P	
603847-45	111517-05-MP	1221.22	0.0665	0.0047	0			0	<15	<0.0047	N/P	
603847-46	111517-06-MP	1209.6	0.0665	0.0048	1 Actn	1	0	0	15	0.0048	N/P	
603847-47	111517-07-MP	0.0	0.0	--	--			--	--	--	BLK	Not Analyzed
603847-48	111517-08-MP	1200.06	0.0665	0.0048	0			0	<15	<0.0048	N/P	
603847-49	111517-09-MP	1200.71	0.0665	0.0048	0			0	<15	<0.0048	N/P	
603847-50	111517-10-MP	1224.6	0.0665	0.0047	0			0	<15	<0.0047	N/P	
603847-51	111517-11-MP	1205.4	0.0665	0.0048	0			0	<15	<0.0048	N/P	
603847-52	111517-12-MP	1203.6	0.0665	0.0048	0			0	<15	<0.0048	N/P	
603847-53	111517-13-MP	1200.65	0.0665	0.0048	0			0	<15	<0.0048	N/P	
603847-54	111517-14-MP (BLANK)	0.0	0.0	--	--			--	--	--	BLK	Not Analyzed
603847-55	1-21	1378.0	0.0665	0.0042	0			0	<15	<0.0042	N/P	
603847-56	1-22	1357.0	0.0665	0.0043	0			0	<15	<0.0043	N/P	
603847-57	1-17	1297.0	0.0665	0.0045	0			0	<15	<0.0045	N/P	
603847-58	1-19	1294.0	0.0665	0.0045	0			0	<15	<0.0045	N/P	
603847-59	1-20	1246.0	0.0665	0.0046	0			0	<15	<0.0046	N/P	
603847-60	1-36	1238.0	0.0665	0.0047	0			0	<15	<0.0047	N/P	



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**Pore Size:** 0.45 um

**Filter Size:** 25 mm (385 mm<sup>2</sup>)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm )	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm >=5µm		s/mm	s/cc		
603847-61	1-2	1406.0	0.0665	0.0041	0		0	<15	<0.0041	N/P	
603847-62	1-8	1430.0	0.0665	0.004	0		0	<15	<0.004	N/P	
603847-63	1-9	1430.0	0.0665	0.004	0		0	<15	<0.004	N/P	
603847-64	1-10	1408.0	0.0665	0.0041	0		0	<15	<0.0041	N/P	
603847-65	1-14	1376.0	0.0665	0.0042	0		0	<15	<0.0042	N/P	
603847-66	1-18	1337.0	0.0665	0.0043	0		0	<15	<0.0043	N/P	
603847-67	3-56	1391.0	0.0665	0.0042	0		0	<15	<0.0042	N/P	
603847-68	3-51	1469.0	0.0665	0.0039	0		0	<15	<0.0039	N/P	
603847-69	4-62	1356.0	0.0665	0.0043	0		0	<15	<0.0043	N/P	
603847-70	7-68	1311.0	0.0665	0.0044	0		0	<15	<0.0044	N/P	
603847-71	7-69	1289.0	0.0665	0.0045	0		0	<15	<0.0045	N/P	
603847-72	2-38	1341.0	0.0665	0.0043	0		0	<15	<0.0043	N/P	
603847-73	2-39	1336.0	0.0665	0.0043	0		0	<15	<0.0043	N/P	
603847-74	2-40	--	0.0	--	--		--	--	--	N/P	Not Analyzed
603847-75	2-41	1293.0	0.0665	0.0045	0		0	<15	<0.0045	N/P	
603847-76	2-42	1266.0	0.0665	0.0046	0		0	<15	<0.0046	N/P	
603847-77	2-32	1257.0	0.0665	0.0046	0		0	<15	<0.0046	N/P	





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### Summary of Transmission Electron Microscopy

**Filter Type:** MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm<sup>2</sup>)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm )	Analytical Sensitivity s/cc	Asbestos Amount/Type	# Non Asbestos Structures	Concentration s/mm	Sample Type	Comments
					<5µm	>=5µm	s/cc		

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

**Analyst(s):** Andreas Saldivar, Michael Creaghan, George Land

**Technical Director** Michael Greenberg

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.



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 (301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

# CHAIN OF CUSTODY

(Please Refer To This  
 Number For Inquires)

603847

## Mailing/Billing Information:

- Client Name: FOH Boston Area Office
- Address 1: JFK Building - Room E-110
- Address 2: Government Center
- Address 3: Boston, MA 02203
- Phone #: 240-429-7808 Fax #: \_\_\_\_\_

## Submittal Information:

- Job Name: Chet Holifield
- Job Location: 24000 Avila Road, Laguna Niguel, CA
- Job #: 9835006590 P.O. #: \_\_\_\_\_
- Contact Person: Michael Pinkerton @ phone #: (310) 854-6300
- Submitted by: Michael Pinkerton Signature: [Signature]

Reporting Info (Results provided as soon as technically feasible). If no TAT/Reporting Info is provided, AMA will assign defaults of 5-Day and email/fax to contacts on file.

AFTER HOURS (must be pre-scheduled)		NORMAL BUSINESS HOURS		REPORT TO:
<input type="checkbox"/> Immediate	Date Due: _____	<input type="checkbox"/> Immediate	<input type="checkbox"/> 3 Day	<input checked="" type="checkbox"/> Include COC/Field Data Sheets with Report <input checked="" type="checkbox"/> Email: <u>YOUR EMAIL</u> @ efiglobal.com <input type="checkbox"/> Fax: also email LYNDIA_MCDERMOTT@EFIGLOBAL.COM <input type="checkbox"/> Verbal: _____
<input type="checkbox"/> 24 Hours	Time Due: _____	<input type="checkbox"/> Next Day	<input type="checkbox"/> 5 Day +	
Comments: _____		<input type="checkbox"/> 2 Day	Date Due: <u>11/26/17</u> <u>KMX</u>	
		<input type="checkbox"/> Results Required By Noon		

## Asbestos Analysis

\*PCMAir - Please Indicate Filter Type:

- ☐ NIOSH 7400 (QTY)  
☐ Fiberglass (QTY)

TEM Air\* - Please Indicate Filter Type:

- ☒ AHERA # of samples (QTY) 77 samples  
☐ NIOSH 7402 (QTY)  
☐ Other (specify \_\_\_\_\_) (QTY)

## PLM Bulk

- ☐ EPA 600 - Visual Estimate (QTY)  
☐ EPA Point Count (QTY)  
☐ NY State Friable 198.1 (QTY)  
☐ Grav. Reduction ELAP 198.6 (QTY)  
☐ Other (specify \_\_\_\_\_) (QTY)

## MISC

- ☐ Vermiculite  
☐ Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan)

\*It is recommended that blank samples be submitted with all air and surface samples

## TEM Bulk

- ☐ ELAP 198.4/Chatfield (QTY)  
☐ NY State PLM/TEM (QTY)  
☐ Residual Ash (QTY)

## TEM Dust\*

- ☐ Qual. (pres/abs) Vacuum/Dust (QTY)  
☐ Quan. (s/area) Vacuum D5755-95 (QTY)  
☐ Quan. (s/area) Dust D6480-99 (QTY)

## TEM Water

- ☐ Qual. (pres/abs) (QTY)  
☐ ELAP 198.2/EPA 100.2 (QTY)  
☐ EPA 100.1 (QTY)

☒ All samples received in good condition unless otherwise noted.  
 (TEM Water samples \_\_\_\_\_ °C)

## Metals Analysis

- ☐ Pb Paint Chip (QTY)  
☐ \*Pb Dust Wipe (wipe type \_\_\_\_\_) (QTY)  
☐ \*Pb Air (QTY)  
☐ Pb Soil/Solid (QTY)  
☐ Pb TCLP (QTY)  
☐ Drinking Water ☐ Pb (QTY) ☐ Cu (QTY) ☐ As (QTY)  
☐ Waste Water ☐ Pb (QTY) ☐ Cu (QTY) ☐ As (QTY)  
☐ Pb Furnace (Media \_\_\_\_\_) (QTY)

## Fungal Analysis

- Collection Apparatus for Spore Traps/Air Samples: \_\_\_\_\_  
 Collection Media \_\_\_\_\_  
☐ \*Spore-Trap (QTY) ☐ Surface Vacuum Dust (QTY)  
☐ \*Surface Swab (QTY) ☐ Culturable ID Genus (Media \_\_\_\_\_) (QTY)  
☐ \*Surface Tape (QTY) ☐ Culturable ID Species (Media \_\_\_\_\_) (QTY)  
☐ Other (Specify \_\_\_\_\_) (QTY)

## CLIENT CONTACT

(LABORATORY STAFF ONLY)

CLIENT ID #	SAMPLE INFORMATION	DATE/TIME	VOL (L)/ Wipe Area	TEM	PCMA	PLM	LEAD	MOLD	AIR	BULK	DUST	MATRIX	WATER	OTHER	SPORE TRAP	TAPE	SWAB	LABORATORY STAFF ONLY
																		Date/Time: Contact: By:
	See Attached Field Data Sheets																	Date/Time: Contact: By:
																		Date/Time: Contact: By:
																		Date/Time: Contact: By:

LABORATORY  
 STAFF ONLY:  
 (CUSTODY)

- Date/Time RCVD: 11/21/17 @ 1000 Via: FedEx By (Print): [Signature] Sign: [Signature]
- Date/Time Analyzed: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ @ \_\_\_\_\_ By (Print): \_\_\_\_\_ Sign: \_\_\_\_\_
- Results Reported To: \_\_\_\_\_ Via: \_\_\_\_\_ Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Time: \_\_\_\_\_ Initials: \_\_\_\_\_
- Comments: \_\_\_\_\_



# Air Sampling Field Data Sheet

Page 1 of 2

Date Collected: 11/16/17  
 Contact Person: M. PIRKLETON  
 Job Number: 9835005960  
 S \_\_\_\_\_ P \_\_\_\_\_

Job Name: CHET HOLIFIELD  
 Job Location: \_\_\_\_\_  
 Address: 24000 AVILA ROAD  
LACUNA NIGUEL, CA 92671

Company: Federal Occupational Health  
 Phone Number: 310-382-4482  
 Collected By: M. PIRKLETON  
 COC Number: \_\_\_\_\_

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
111617-MP-01			1-12 IRS 1024 BY OFFICE 1678	7:41	10:03	142	10.19	10.17	10.18	1,145.56
111617-MP-02			1-13 IRS 1024 BY OFFICE 1670	7:48	10:07	139	10.03	10.06	10.045	1,396.26
111617-MP-03			3-49 IRS RM 3154 DE CORPER	7:55	10:14	139	10.11	10.12	10.105	1,405.99
111617-MP-04			3-55 IRS RM 3157 COBICE 3432	8:02	10:20	138	10.19	10.14	10.165	1,402.77
111617-MP-05			3-58 IRS RM 3314	8:11	10:26	135	10.12	10.06	10.09	1,362.15
111617-MP-06			4-60 IRS RM 4404 COPY AREA	8:19	10:32	132	10.23	10.20	10.215	1,348.38
111617-MP-07			BLANK - LAB							
111617-MP-08			3-45 CORRIDOR BY FREIGHT ELEVATOR	10:43	12:55	132	10.10	10.04	10.07	1,329.24

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# Air Sampling Field Data Sheet

Date Collected: 11/16/17  
 Contact Person: M. PIPKEATOR  
 Job Number: 9835005960  
 S \_\_\_\_\_ P \_\_\_\_\_

Job Name: CHET HOLIFIELD  
 Job Location: \_\_\_\_\_  
 Address: 24000 ADILA ROAD  
LACOMA NIOBEL, CA 92677

Page 2 of 2  
 Company: Federal Occupational Health  
 Phone Number: 310-382-4482  
 Collected By: M. PIPKEATOR  
 COC Number: \_\_\_\_\_

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
111617-MR-09			3-47 CORRIDOR	10:48	12:59	131	10.02	10.00	10.01	1,311.31
111617-MR-10			3-56	10:55	13:12	137	10.19	10.15	10.17	1,393.29
111617-MR-11			3-52	11:01	13:02	121	10.13	10.04	10.085	1,220.29
111617-MR-12			3-54	11:04	13:04	120	10.03	10.02	10.025	1,203
111617-MR-13			3-57	11:09	13:09	120	10.10	10.02	10.06	1,207.2
111617-MR-14			BACK - FIELD							

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# Air Sampling Field Data Sheet

Date Collected: 11/16/17  
 Contact Person: \_\_\_\_\_  
 Job Number: 9835006590  
 S \_\_\_\_\_ P \_\_\_\_\_

Job Name: POH CHET HOLIFIELD  
 Job Location: \_\_\_\_\_  
 Address: 24000 ADIIT ROAD  
LACOPA NIOUEL, CA 92677

Company: Federal Occupational Health  
 Phone Number: 310-382-4442  
 Collected By: JACKIE JONES  
 COC Number: \_\_\_\_\_

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
4-63			CSA (NEAR SHERRY'S OFFICE)	0738	0940	122	10.17	10.14	10.155	1,238.91
4-61-4105			CONFERENCE ROOM WRO CENTER HALLWAY	0744	0950	126	10.16	10.13	10.155	1,279.53
3-48-3100			WRO BREAK ROOM	0751	0956	125	10.31	10.19	10.25	1,281.25
1-5-1210			WRO BY VACANT DESK	0800	1005	125	10.27	10.16	10.215	1,276.88
3-46-3104			OUTSIDE ICE M/W OFFICE	0810	1015	125	10.25	10.11	10.18	1,272.5
3-59-3106			ICE COBICE #09	0818	1023	125	10.10	10.07	10.085	1,266.63
B1			BACK - LAB							

NOT RECEIVED

Received Duplicate

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# Air Sampling Field Data Sheet

Page 2 of 2

Date Collected: 11/14/17  
 Contact Person: M. PIPKESTOP  
 Job Number: 9835006590  
 S \_\_\_\_\_ P \_\_\_\_\_

Job Name: POH CHET HOLIFIELD  
 Job Location: \_\_\_\_\_  
 Address: 24000 AULT ROAD  
LACONA PIQUEL, CA 92677

Company: Federal Occupational Health  
 Phone Number: 310-382-4482  
 Collected By: JACKIE JONES  
 COC Number: \_\_\_\_\_

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
S-65-5070			CBP CAROL HEATHERLY COB.	1031	1248	137	10.29	10.29	10.29	1,409.73
S-64-5200			CBP NORTH-SOOTY HALL	1039	1254	135	10.18	10.19	10.185	1,374.96
6-66-6000			ICE LOBBY	1047	1258	131	10.23	10.22	10.225	1,339.48
6-67-6140			ICE-HSI RES. COB.	1057	1305	128	10.31	10.18	10.245	1,311.36
BZ			BRADLEY-FIELD							

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# Air Sampling Field Data Sheet

Page 1 of 2

Date Collected: 11/15/17  
 Contact Person: M. PINKERTON  
 Job Number: 9835006550  
 S \_\_\_\_\_ P \_\_\_\_\_

Job Name: FOX CHET HOLIFIELD  
 Job Location: \_\_\_\_\_  
 Address: 24000 ADIIT ROAD  
LACOMA NIOUEL, CA 92677

Company: Federal Occupational Health  
 Phone Number: 310-382-4482  
 Collected By: JACKIE JONES  
 COC Number: \_\_\_\_\_

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
1-23-1552			1ST FLOOR ICE #107 US IMMIGRATION + CUSTOMS	0754	0954	120	10.14	10.11	10.125	1,215
<sup>124</sup> 1-25-1552			COBICLE 114 ICE	0805	1005	120	10.23	10.19	10.21	1,225.2
3-MAT ROOM <sup>124</sup>			ICE NEAR FILE CABINET	0810	1009	119	10.19	10.17	10.18	1,211.42
1-24-CORD			WEST CORRIDOR	0823	1025	122	10.03	10.02	10.025	1,223.05
1-16-1630			DCMA BY RECEPTION DESK	0843	1044	121	10.07	10.16	10.085	1,220.29
1-15-1630			DCMA 3&A	0839	1048	129	10.19	10.18	10.185	1,313.86
B1			BLACK LAB							

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# Air Sampling Field Data Sheet

Page 2 of 2

Date Collected: 11/15/17  
 Contact Person: M. PIPKERTOP  
 Job Number: 9835006590  
 S \_\_\_\_\_ P \_\_\_\_\_

Job Name: FOH CHET HOLIFIELD  
 Job Location: \_\_\_\_\_  
 Address: 24000 ADIJA ROAD  
LACUNA MICHEL, GA 30263

Company: Federal Occupational Health  
 Phone Number: 310-382-4482  
 Collected By: JACKIE SOPER  
 COC Number: \_\_\_\_\_

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
2-27-2101			CORRIDOR OUTSIDE RM 2118	1056	1306	130	10.33	10.21	10.27	1,335.1
2-28-2101A			INSIDE CSC # 21504	1102	1311	129	10.22	10.20	10.21	1,317.09
2-43-2113			CSC COBBLER 21045	1109	1317	128	10.19	10.15	10.17	1,301.76
2-44-2117			CSC COBBLER 24005	1115	1322	127	10.21	10.22	10.215	1,297.31
2-29-2105			CSC ACROSS COBBLER 21276	1122	1335	133	10.18	10.13	10.155	1,350.62
3-53-3355			CSC PORTAVEST LAR	1134	1339	125	10.12	10.08	10.10	1,262.5
B2			BLADE-FIELD							

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# Air Sampling Field Data Sheet

Page 1 of 2

Date Collected: 11/15/17  
 Contact Person: M. PINKERTON  
 Job Number: 9835065913  
 S \_\_\_\_\_ P \_\_\_\_\_

Job Name: FOH - CHET MOUTFIELD  
 Job Location: \_\_\_\_\_  
 Address: 24000 AVILA ROAD  
LACUNA NIGUEL, CA 92677

Company: Federal Occupational Health  
 Phone Number: 310-854-6300  
 Collected By: M. PINKERTON  
 COC Number: \_\_\_\_\_

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
111517-01-MP			2-30 / CSC Rm. 2200 BY DESK 22231	7:49	10:00	131	10.14	10.02	10.08	1,320.48
111517-02-MP			2-33 / CSC Rm 2502, WS 25031	7:56	10:07	131	10.19	10.07	10.13	1,327.03
111517-03-MP			2-34 / CSC Room 2502 OFFICE 25131	8:01	10:11	130	10.07	10.01	10.04	1,305.2
111517-04-MP			2-35 / DIT Rm. 2412, WS 25152	8:11	10:16	125	10.37	10.13	10.25	1,281.25
111517-05-MP			2-37 / CSC Rm 2406, 2405 PW CORPDR	8:18	10:20	122	10.02	9.99	10.01	1,221.22
111517-06-MP			2-31 / CAFE BY ATM	8:25	10:25	120	10.11	10.04	10.08	1,209.6
111517-07-MP			BLANK - LAB							
111517-08-MP			1-4 / CSC ROOM 1570 CENTER BETWEEN ROOMS D2-D3	12:17	14:15	118	10.16	10.18	10.17	1,200.06

↓  
1,200.06

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# Air Sampling Field Data Sheet

Page 2 of 2

Date Collected: 11/15/17  
 Contact Person: M. PINKERTON  
 Job Number: \_\_\_\_\_  
 S \_\_\_\_\_ P \_\_\_\_\_

Job Name: FOH - CHET HOUFIELD  
 Job Location: \_\_\_\_\_  
 Address: 24000 AVILA ROAD  
LAGUNA NIGUEL, CA 92627

Company: Federal Occupational Health  
 Phone Number: 310-854-6300  
 Collected By: M. PINKERTON  
 COC Number: \_\_\_\_\_

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
111517-09-MP			WORK STATION 1-6 / CSC Room 1580, 13163	12:22	14:21	119	10.09	10.09	10.09	1,200.71
111517-10-MP			OUTSIDE 1-7 / CSC Room 1000 OFFICE 10004	12:29	14:29	120	10.23	10.18	10.21	1,224.60
111517-11-MP			1-11 / CSC 1700, OFFICE 1711	12:39	12:39	120	10.07	10.02	10.045	1,205.4
111517-12-MP			1-1 / CSC 1400, OFFICE 14270	12:51	14:49	118	10.21 <del>10.09</del>	10.19 <del>10.10</del>	10.20 <del>10.045</del>	1,203.6
111517-13-MP			1-26 / CSC Room 1500 A102C NORTH 12411	12:55	14:53	118	10.18	10.17 <del>10.09</del>	10.175 <del>10.045</del>	1,200.65
111517-14-MP			BLANK - FIELD							

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# Air Sampling Field Data Sheet

Date Collected: 11/15/17  
 Contact Person: \_\_\_\_\_  
 Job Number: 983005913  
 S \_\_\_\_\_ P \_\_\_\_\_

Job Name: \_\_\_\_\_  
 Job Location: Chet Holifield  
 Address: 2400 Avila Road  
Laguna Niguel, CA 92677

Page 1 of 3  
 Company: Federal Occupational Health  
 Phone Number: \_\_\_\_\_  
 Collected By: Matthew Rodriguez  
 COC Number: \_\_\_\_\_

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
1-21		1	CSC Warehouse	7:47am	10:02am	135	10.21	10.21	10.24	1,378
1-22		1	CSC Warehouse	7:54am	10:06am	132	10.32	10.23	10.28	1,357
1-17		1	CSC 1610	8:04am	10:11am	127	10.30	10.12	10.21	1,297
1-19		1	CSC 1610	8:17am	10:13am <del>10:30am</del>	122	10.69	10.52	10.61	1,294
1-20		1	CSC 1260	8:30am	10:30am	120	10.57	10.18	10.38	1,246
1-36		1	CSC 1560	8:36am	10:36am	120	10.42	10.21	10.32	1,238
<del>1-2</del>		1	corridor	10:45am	1:03pm	138	10.20	10.17	10.19	1,406
1-8		1	corridor	10:49am	1:08pm	139	10.27	10.30	10.29	1,430

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# Air Sampling Field Data Sheet

Page 2 of 3

Date Collected: 11/15/17 + 11/16/17  
 Contact Person: M. PINKERTON  
 Job Number: 9835006550  
 S \_\_\_\_\_ P \_\_\_\_\_

Job Name: FOX CRET HOLFELD  
 Job Location: \_\_\_\_\_  
 Address: 28000 ADIA ROAD  
LAGUNA NIGUEL, CA 92671

Company: Federal Occupational Health  
 Phone Number: 310-382-1442  
 Collected By: M. RODRIGUEZ  
 COC Number: \_\_\_\_\_

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
1-9		1	Corridor	10:54am	1:11pm	137	10.54	10.34	10.44 <sup>mp</sup> <del>20.88</del>	1,430 <sup>mp</sup> <del>2,781</del>
1-10		1	Corridor	10:57am <del>10:40am</del>	1:15pm	138	10.21	10.14	10.20	1,408
1-14		1	CBP 1640B	11:05am <del>10:57am</del>	1:14pm	134	10.40	10.14	10.27	1,376
1-18		1	Corridor	11:12am	1:24pm	132	10.20	10.05	10.13	1,337
3-56		3	Kids Camp	7:48am	10:04am	136	10.32	10.14	10.23	1,391
3-51		3	childcare	7:52am	10:08am	136	10.18	11.42	10.8 <del>21.6</del>	1,469
4-62		4	Corridor	8:00am	10:14am	134	10.23	10.00	10.12	1,356
7-68		7	Penthouse	8:11am	10:19am	128	10.34	10.14	10.24	1,311

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# Air Sampling Field Data Sheet

Date Collected: 11/16/17

Job Name: FOX CREST HOUSING

Page 2 of 3  
Company: Federal Occupational Health

Contact Person: M. ADKERTON

Job Location: \_\_\_\_\_

Phone Number: 310-382-4482

Job Number: 9824 9835006590

Address: 24000 ADIIT ROAD

Collected By: M. RODRIGUEZ

S \_\_\_\_\_ P \_\_\_\_\_

LACOMA MICHEL, CA 92670

COC Number: \_\_\_\_\_

Sample Number	Pump #	Floor #	Sample Location	Time			Flow Rate (LPM)			Volume (L)
				Start	Stop	Total (minutes)	Initial	Final	Average	
7-69		7	Penthouse	8:15am	10:21am	126	10.25	10.21	10.23	1,289
2-38		2	CSC 2306	10:39am	12:54am	135	10.01	9.85	9.93	1,341
2-39		2	CSC 2301	10:46am	12:57am	131	10.27	10.12	10.20	1,336
2-40		2	CSC 2301	10:52am			10.53			
2-41		2	CSC 2301	10:57am	1:03pm	126	10.39	10.12	10.26	1,293
2-42		2	CSC Bxm 2109	11:00am	1:07pm	127	10.03	9.91	9.97	1,266
2-32		2	Corridor	11:05am	1:11pm	126	10.32	10.12	10.22	1,257
			* pump was shot off							

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